

- 1 / 4 -

(78)

Fig. 1

ATGAT AGCTTTGTGCAAAAGGGGAGCTGGCTACTTCTCGCTCTGCTTCATCCCACTATTATTTTGGCACAACAGGAAGC
 TACTACTCGAAACACGTTTTCCCTCGACCGATGAAGAGCGAGACGAAGTAGGGTGATAATAAAACCGTGTTCCTTCG

————— P1 —————→

————— P3 —————

Met Met Ser Phe Val Gln Lys Gly Ser Trp Leu Leu Leu Ala Leu Leu His Pro Thr Ile Ile Leu Ala Gln Gln Glu Ala
 TGTGAAGGAGGATGTTCCCATCTTGGTCAGTCCTATGCGGATAGAGATGTCTGGAAGCCAGAACCATGCCAAATATGTG
 ACAACTTCCTCCTACAAGGGTAGAACCAGTCAGGATACGCCTATCTCTACAGACCTTCGGTCTTGGTACGGTTTATACAC

————— P3 —————→

Val Glu Gly Gly Cys Ser His Leu Gly Gln Ser Tyr Ala Asp Arg Asp Val Trp Lys Pro Glu Pro Cys Gln Ile Cys
 TCTGTGACTCAGGATCCGTTCTCTGCGATGACATAATATGTGACGATCAAGAATTAGACTGCCCAACCCAGAAATTCCA
 AGACACTGAGTCCTAGGCAAGAGACGCTACTGTATTATACACTGCTAGTTCTTAATCTGACGGGGTTGGGTCTTTAAGGT

————— P11-2 —————→

Val Cys Asp Ser Gly Ser Val Leu Cys Asp Asp Ile Ile Cys Asp Asp Gln Glu Leu Asp Cys Pro Asn Pro Glu Ile Pro
 TTTGGAGAATGTTGTGCAGTTTGGCCACAGCCTCCAACTGCTCCTACTCGCCCTCCTAATGGTCAAGGACCTCAAGGCCC
 AAACCTCTTACAACACGTCAAACGGGTGTCGGAGGTTGACGAGGATGAGCGGGAGGATTACCAGTTCCTGGAGTTCCGGG
 Phe Gly Glu Cys Cys Ala Val Cys Pro Gln Pro Pro Thr Ala Pro Thr Arg Pro Pro Asn Gly Gln Gly Pro Gln Gly Pro
 CAAGGGAGATCCAGGCCCTCCTGGTATTCTGGGAGAAATGGTGACCCTGGTATTCCAGGACAACCAGGGTCCCTCGTT
 GTTCCCTCTAGGTCCGGGAGGACCATAAGGACCCTCTTTACCACTGGGACCATAAGGTCCTGTTGGTCCCAGGGGACCAA

←————— P12 —————

Lys Gly Asp Pro Gly Pro Pro Gly Ile Pro Gly Arg Asn Gly Asp Pro Gly Ile Pro Gly Gln Pro Gly Ser Pro Gly
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 GAGGACCGGGGGACCTTAGACACTTAGTACGGGATGACCAGGAGTCTTGATAAGAGGGGTCATACTAAGTATACTACAG

←————— P14 —————

Ser Pro Gly Pro Pro Gly Ile Cys Glu Ser Cys Pro Thr Gly Pro Gln Asn Tyr Ser Pro Gln Tyr Asp Ser Tyr Asp Val
 AAGTCTGGAGTAGCAGTAGGAGGACTCGCAGGCTATCCT
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←————— P5 —————

Lys Ser Gly Val Ala Val Gly Gly Leu Ala Gly Tyr Pro

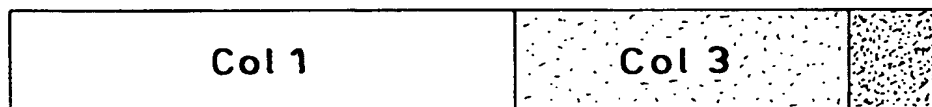
- 2 / 4 -

Fig. 2

hP5 : Entire cDNA



4.5.2 : Mature Monomer



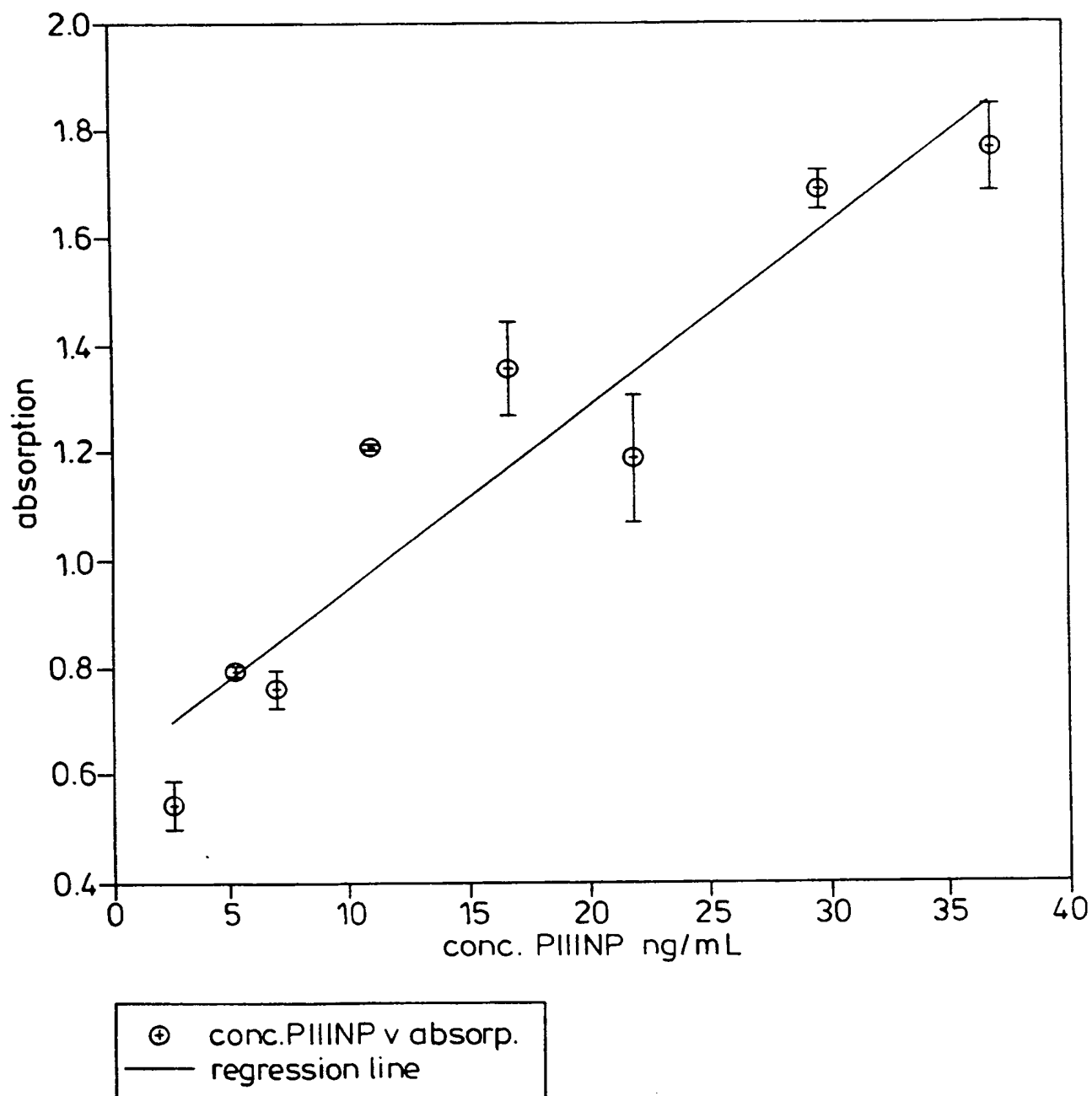
ne6 : Deletion Mutant



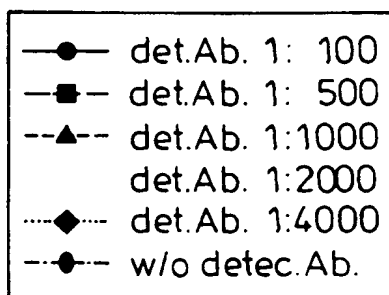
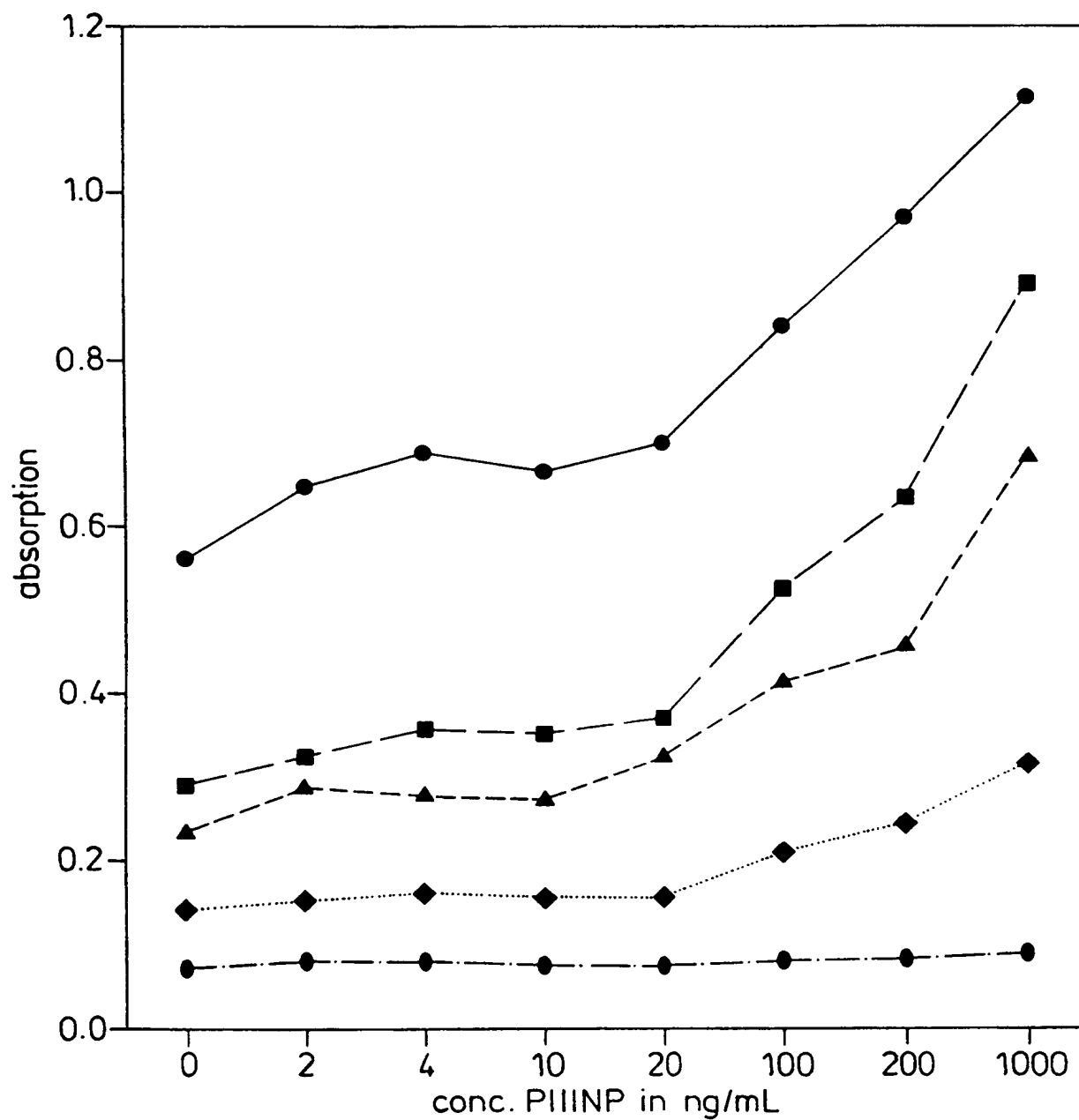
2.8.6 : Col 2 Deletion Mutant



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Fig. 3

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Fig. 4

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Pro Cys Gln Ile Cys Val Cys Asp Ser Gly Ser Val Leu Cys Asp Asp
      50           55           60
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Ile Ile Cys Asp Asp Gln Glu Leu Asp Cys Pro Asn Pro Glu Ile Pro
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Phe Gly Glu Cys Cys Ala Val Cys Pro Gln Pro Pro Thr Ala Pro Thr
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Arg Pro Pro Asn Gly Gln Gly Pro Gln Gly Pro Lys Gly Asp Pro Gly
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Pro Pro Gly Ile Pro Gly Arg Asn Gly Asp Pro Gly Ile Pro Gly Gln
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Pro Gly Ser Pro Gly Ser Pro Gly Pro Pro Gly Ile Cys Glu Ser Cys
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